

SIOKIUU SIO-PG

SIOKIUU 2500W Portable Inverter Generator with CO Sensor (Model SIO-PG) Instruction Manual

Brand: SIOKIUU | Model: SIO-PG

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your SIOKIUU 2500W Portable Inverter Generator. Please read this manual thoroughly before using the generator to ensure proper function and safety.

Key Features:

- **Extended Runtime:** Equipped with a 1.06-gallon fuel tank, offering up to 17 hours of operation at 25% load or 8.6 hours at 50% load. Features parallel function and ECO mode for prolonged power delivery.
- **Powerful Output:** Delivers 2500 peak watts and 1900 running watts of clean power (less than 3% THD) from an 80CC 4-stroke engine, suitable for sensitive electronics.
- **Quiet Operation & Ultralight Design:** Operates at under 59 dBA from 23 feet, ensuring a quiet environment. Weighs only 39.46 pounds with a sturdy carrying handle for easy transport.
- **Safety Features:** Includes a CO sensor that automatically shuts down the generator if carbon monoxide levels become too high.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your SIOKIUU SIO-PG Inverter Generator.

Unboxing and Included Accessories:

Upon unboxing, verify that all components and accessories are present. The package typically includes the generator, a user manual, a USB socket, a dual-purpose screwdriver, a spark plug socket wrench, and a funnel. The following video demonstrates the unboxing process and highlights the included accessories:

Your browser does not support the video tag.

Video: A demonstration of the SIOKIUU 2500W Inverter Generator unboxing, showing the generator and its accessories including the user manual, USB socket, dual-purpose screwdriver, spark plug socket wrench, and funnel.

Control Panel Features:

The control panel provides access to all operational controls and indicators. Understanding these is crucial for safe and effective use.



Image: Detailed view of the SIOKIUU 2500W Inverter Generator control panel, highlighting the CO OVERRUN FAILURE, CO FAILURE, LOW OIL, OVERLOAD, and RUNNING indicators, along with the ECO switch, DC 12V socket, USB outlets, AC 120V output sockets, parallel connection ports, and AC reset button.

- **CO OVERRUN FAILURE Light:** Indicates a carbon monoxide level exceeding safe limits. The generator will shut down automatically.
- **CO FAILURE Light:** Indicates a malfunction with the CO sensor.
- **Low Oil Indicator (Yellow):** Illuminates when engine oil is low. The generator may shut down to prevent damage.
- **Overload Indicator (Red):** Illuminates when the generator is overloaded. The AC output will stop.

- **Running Indicator (Green):** Illuminates when the generator is operating normally.
- **ECO Switch:** Engages ECO mode for improved fuel efficiency and quieter operation under light loads.
- **DC Overload Protector:** Protects the DC circuit from overcurrent.
- **USB Sockets:** For charging USB-powered devices.
- **DC 12V Socket:** Provides 12V DC power.
- **AC 120V Output Sockets:** Standard household outlets for AC appliances.
- **Parallel Connection Ports:** Allows connection of two compatible generators for increased power output.
- **AC Reset Button:** Resets the AC circuit breaker after an overload.
- **Ground Protection:** Terminal for grounding the generator.
- **Engine Switch:** Controls the engine's operation (OFF, ON, CHOKE).
- **Starter Handle:** Used for manual recoil starting of the engine.
- **Fuel Indicator:** Displays the current fuel level.
- **Tank Cap Switch:** Controls fuel flow.
- **Fuel Tank Cap Body:** Contains a filter for the fuel tank.

3. SETUP

1. **Unpack the Generator:** Carefully remove the generator and all accessories from the packaging. Inspect for any shipping damage.
2. **Add Engine Oil:** Before first use, add the recommended engine oil (refer to specifications for type and capacity) using the provided funnel. Do not overfill.
3. **Add Fuel:** Open the fuel tank cap and fill with fresh, unleaded gasoline. Ensure the fuel filter is in place. Do not overfill.
4. **Ground the Generator:** Connect a grounding wire to the ground protection terminal and a suitable ground source to prevent electrical shock.
5. **Position the Generator:** Place the generator on a firm, level surface outdoors in a well-ventilated area, away from windows, doors, and vents. Maintain at least 5 feet of clearance from combustible materials.

4. OPERATING INSTRUCTIONS

Starting the Generator:

1. Ensure the generator is properly set up and grounded.
2. Turn the fuel tank cap switch to the "ON" position.
3. If starting a cold engine, turn the engine switch to the "CHOKE" position. For a warm engine, turn it to "ON".
4. Pull the starter handle firmly and smoothly until the engine starts.
5. Once the engine starts, slowly move the engine switch from "CHOKE" to "ON" (if applicable).
6. Allow the generator to run for a few minutes to warm up before connecting electrical loads.

Connecting Electrical Loads:

1. Ensure the generator is running stably.
2. Plug in your appliances or tools into the appropriate AC 120V, DC 12V, or USB sockets.
3. Do not exceed the generator's rated running wattage (1900W) or peak wattage (2500W). Overloading will

trigger the Overload Indicator and shut off AC output.

4. If an overload occurs, reduce the load and press the AC Reset Button.

ECO Mode:

To activate ECO mode, switch the ECO switch to "ON". In this mode, the engine speed automatically adjusts to the connected load, reducing fuel consumption and noise levels. For full power output, switch ECO mode to "OFF".

Stopping the Generator:

1. Disconnect all electrical loads from the generator.
2. Allow the generator to run for a few minutes without load to cool down.
3. Turn the engine switch to the "OFF" position.
4. Turn the fuel tank cap switch to the "OFF" position.

Powering Multiple Tools Demonstration:

Your browser does not support the video tag.

Video: A demonstration of the SIOKIUU 2500W Inverter Generator powering various tools, including an air compressor, a scroll saw, and a space heater, showcasing its capability to handle different loads simultaneously and individually.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator. Always turn off the engine and disconnect the spark plug cap before performing any maintenance.

- **Engine Oil Check/Change:** Regularly check the engine oil level and change it according to the schedule in the full user manual. Use the provided funnel for adding oil.
- **Spark Plug Inspection:** Inspect the spark plug periodically. Clean or replace it as needed using the provided spark plug socket wrench.
- **Air Filter Cleaning:** Clean the air filter regularly to ensure proper engine performance.
- **Fuel Filter Maintenance:** Periodically check the fuel tank cap body filter for debris and clean if necessary.
- **General Cleaning:** Keep the generator clean and free of debris.

6. TROUBLESHOOTING

Refer to the following common issues and their solutions. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Generator does not start.	No fuel, low oil, engine switch in wrong position, spark plug issue.	Check fuel level, add oil, ensure engine switch is "ON" or "CHOKE", inspect spark plug.
No AC output (Overload Indicator is red).	Generator is overloaded.	Reduce connected load, press the AC Reset Button.
Generator shuts down (CO OVERRUN FAILURE light).	High carbon monoxide levels detected.	Move generator to a well-ventilated outdoor area immediately. Do not operate indoors.

Problem	Possible Cause	Solution
Generator shuts down (Low Oil Indicator is yellow).	Engine oil level is too low.	Add engine oil to the recommended level.
CO FAILURE light is on.	CO sensor malfunction.	Contact customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	SIOKIUU
Model Name	SIO-PG
Wattage	2500 watts (Peak), 1900 watts (Running)
Fuel Type	Gasoline
Power Source	Fuel Powered
Engine Type	4 Stroke, 80 Cubic Centimeters
Ignition System Type	Recoil Start
Tank Volume	1.06 Gallons
Noise Level	Under 59 dBA (from 23 feet)
Product Dimensions	18.9"L x 11.22"W x 18.11"H
Item Weight	39.46 pounds (Net)
Total Power Outlets	4 (2x AC 120V, 1x DC 12V, 2x USB)
Special Features	Portable, Super Quiet, CO Sensor, ECO Mode
Material	Steel, Aluminum, Plastic, Rubber

8. WARRANTY & SUPPORT

The SIOKIUU 2500W Portable Inverter Generator comes with a **3-year manufacturer's warranty**. Additionally, SIOKIUU provides **FREE lifetime technical support** from experts. For warranty claims, technical assistance, or any inquiries, please refer to the contact information provided in your full user manual or visit the official SIOKIUU website.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why does my SIOKIUU S2500 generator shut down with the CO light on even when it is outside in the yard?

If your SIOKIUU S2500 (SIO-PG) generator is shutting down and the CO light is coming on while it is outdoors, there are two primary possibilities based on the manual:CO OVERRUN FAILURE: This light indicates...

[Read full answer](#)